

TABLE I

|   | Patient #1 | Patient #2 | Patient #3 |
|---|------------|------------|------------|
| <b>MR parameter</b>                                   |            |            |            |
| K21   | 0.02830    | 0.04091    | 0.04370    |
| <b>Genes associated with inflammation</b>             |            |            |            |
| Intercellular adhesion molecule 2                     | 1.32       | 1.87       | 1.29       |
| Intercellular adhesion molecule 3                     | 0.22       | 0.58       | 0.44       |
| Platelet/endothelial cell adhesion molecule           | 4.21       | 8.50       | 11.99      |
| Selectin E (endothelial adhesion molecule 1)          | 1.50       | 1.55       | 2.99       |
| Vascular cell adhesion molecule 1                     | 1.61       | 3.61       | 3.52       |
| <b>Genes potentially associated with angiogenesis</b> |            |            |            |
| CD34 antigen  | 10.14      | 20.38      | 19.91      |
| Fibronectin   | 0.59       | 0.53       | 0.48       |
| Fibroblast growth factor 2 (basic)                    | 1.17       | 2.12       | 1.77       |
| Integrin, alpha V (vitronectin receptor, alpha)       | 0.56       | 1.66       | 1.13       |
| Integrin, beta 3                                      | N/A        | 0.25       | 0.52       |
| Vascular endothelial growth factor                    | N/A        | 0.78       | 0.90       |
| Vascular endothelial growth factor B                  | 2.15       | 2.22       | 1.39       |
| Vascular endothelial growth factor B (2nd copy)       | N/A        | 2.05       | 1.50       |
| Vascular endothelial growth factor C                  | 0.67       | 0.77       | 0.93       |
| Vitronectin   | 0.35       | 0.08       | 0.19       |

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FIG. 1

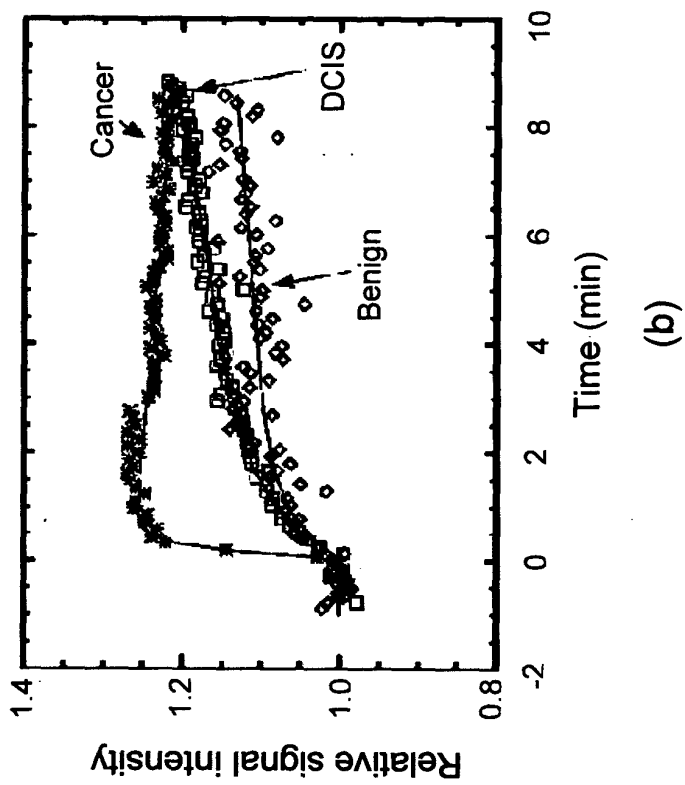
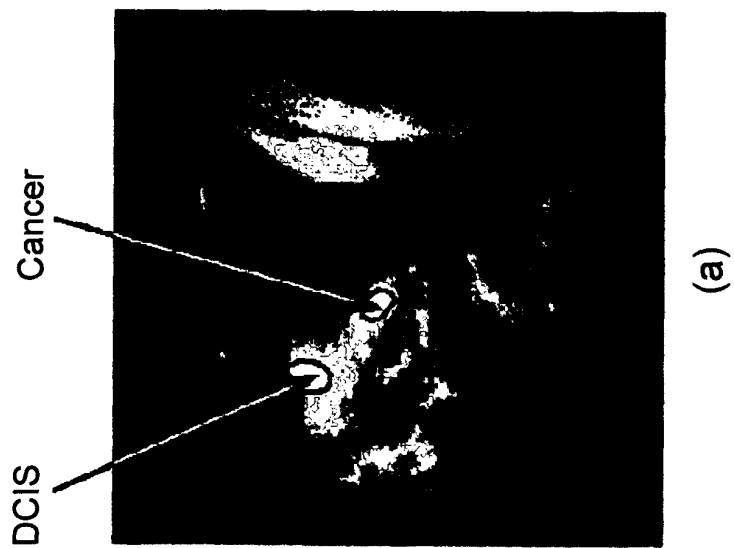
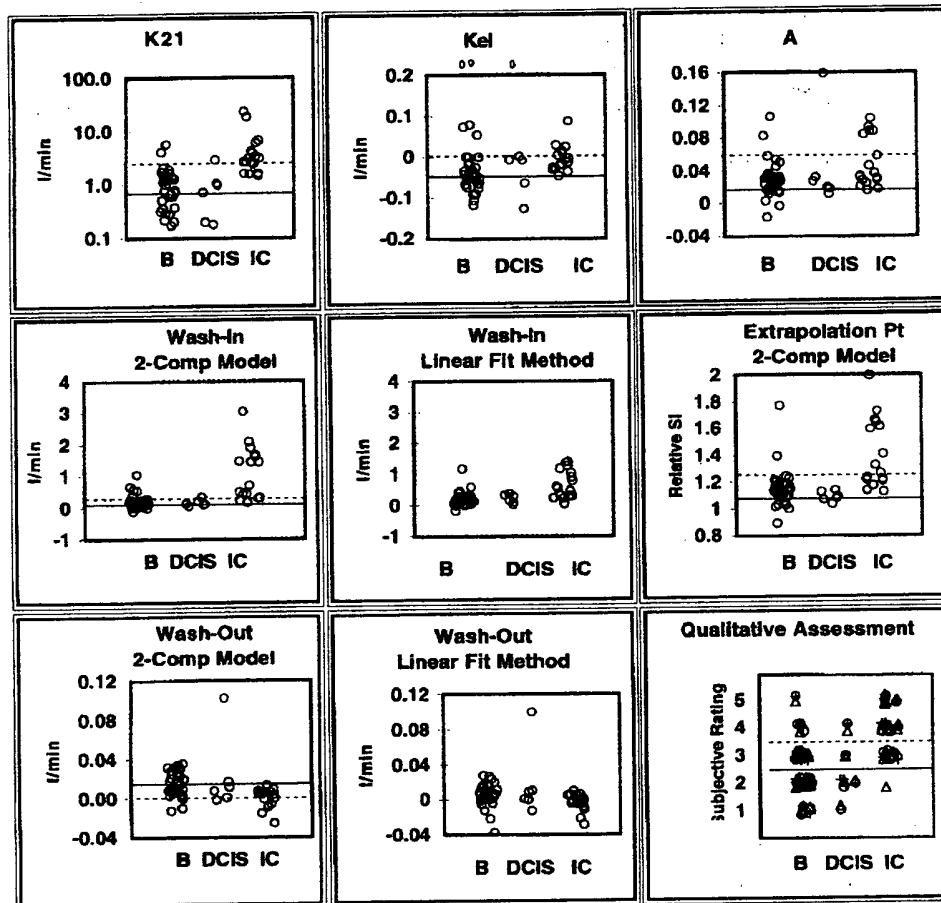
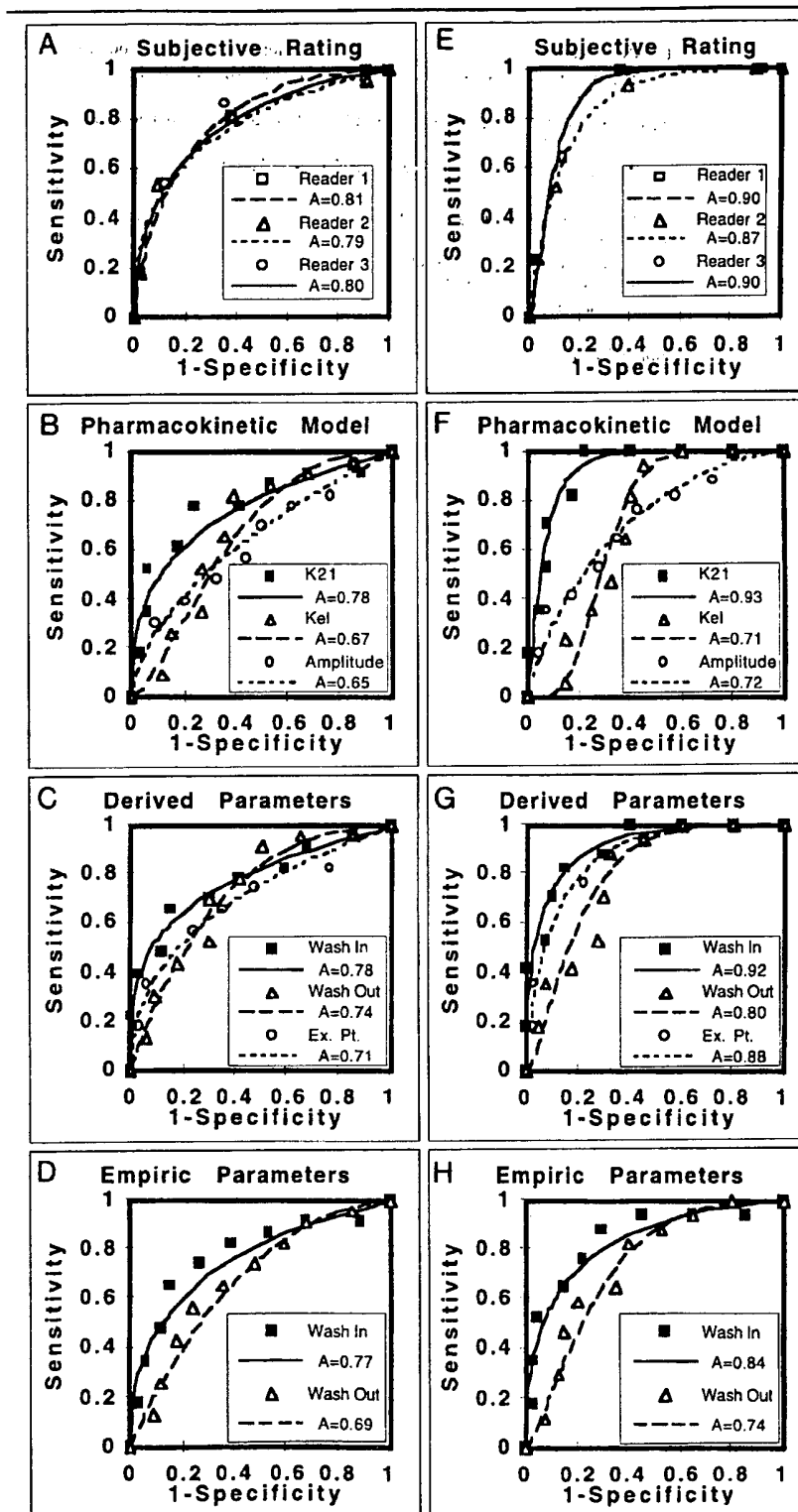


FIG. 2



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FIG. 3

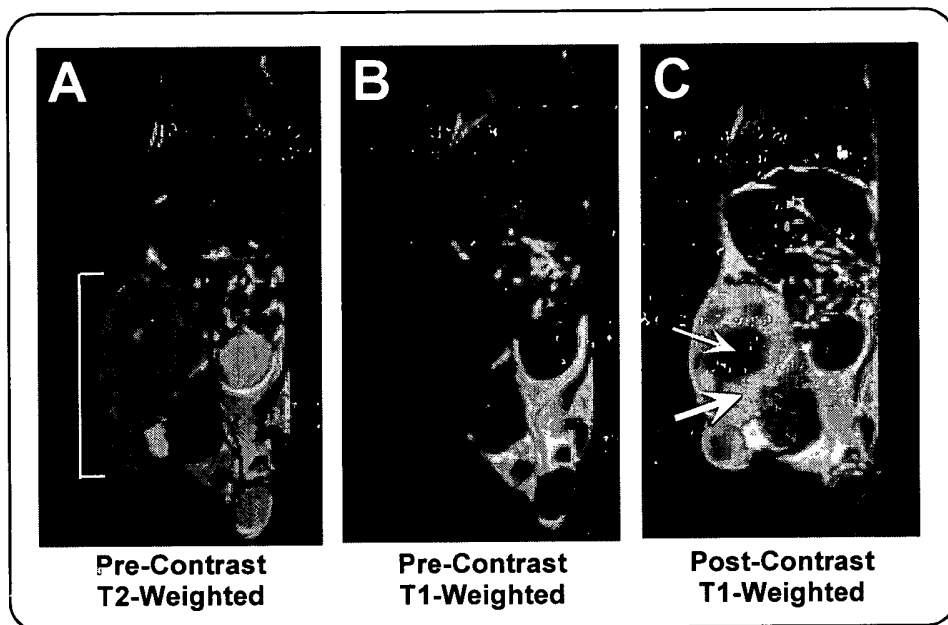


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FIG. 4A

FIG. 4B

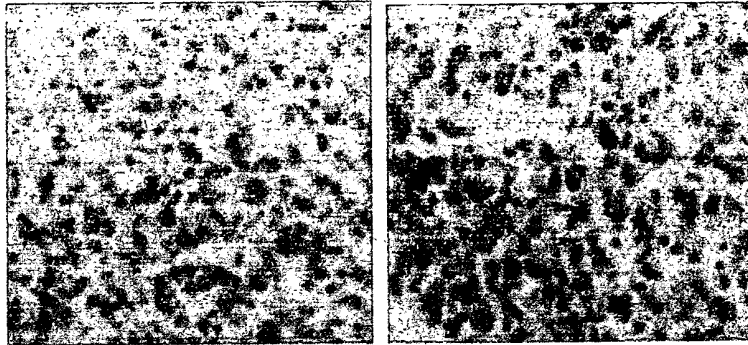
FIG. 4C



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FIG. 5A

FIG. 5B



(A) Contrast-Enhanced Area

(B) Non-Enhanced Area

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FIG. 6

**Gene Expression Profile:  
Stage 4 Tumors (n = 1)**

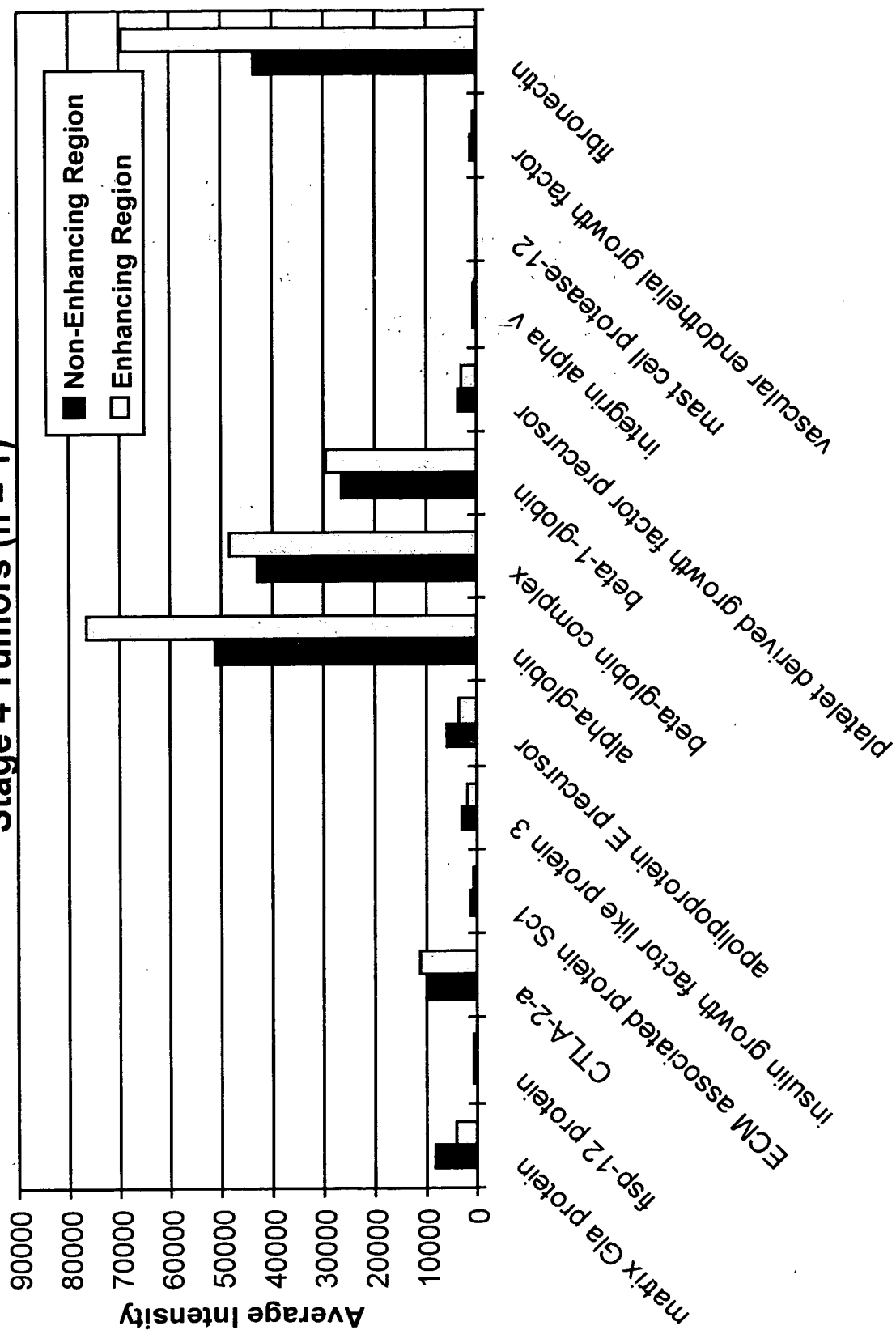


FIG. 7  
MRI-guided Proteomics

